

Curriculum Vitae
William J. Walsh

Walsh Research Institute
1155 South Washington Street
Naperville, IL 60540
www.walshinstitute.org

Office: 630/596-5095
Cell: 630/301-4468

Education

- Ph.D.** Chemical Engineering - Iowa State University - 1964
- M.S.** Chemical Engineering - University of Michigan - 1960
- B.S.** Chemical Engineering - University of Notre Dame - 1958


Experience


- 2008 **President and Founder**, Walsh Research Institute
- 2005 – 2008 **Director of Research**, Health Research Institute and Pfeiffer Treatment Center
- 1998 – 2005 **Chief Scientist**, Health Research Institute and Pfeiffer Treatment Center
- 1982 - 1998 **President and Founder**, Health Research Institute, Naperville, IL. Overall management and direction of HRI programs and projects. Development of advanced chemical screening and biochemical treatment methods. Founding of Pfeiffer Treatment Center in 1989.
- 1964 - 1986 **Argonne National Laboratory**, Argonne, IL. *Group Leader and Section Head*. Directed research, development and technology assessment projects for advanced battery development and nuclear fuels processing. Initiated research studying trace metals and violent crime.
- 1961 - 1964 **Institute for Atomic Research and Ames Laboratory**, Ames, IA. Research studying mechanisms and kinetics of liquid-metal distillation. Design and building of high-vacuum x-ray spectrometer for trace-metal analysis.
- 1962 **Los Alamos Scientific Laboratory**, Los Alamos, NM. *Visiting Scientist*. Experimental measurement of liquid plutonium densities at elevated temperatures. Design of experiment and apparatus.
- 1958-1961 **University of Michigan Research Institute**, Ann Arbor, MI. Design and operation of experiments studying mechanisms of cavitation damage in nuclear reactors.

Bibliography (partial list)

Over 200 Journal Articles and Technical Reports; Invited Presentations at 28 International Conferences; Five U. S. Patents.

Suh J, Walsh WJ, McGinnis WR, Lewis A, and Ames BN. **Altered sulfur amino acid metabolism in immune cells of children diagnosed with autism.** Amer J Biotech Biochem 4:105-113 (2008).

[McGinnis WR](#), [Audhya T](#), [Walsh WJ](#), [Jackson JA](#), [McLaren-Howard J](#), [Lewis A](#), [Lauda PH](#), [Bibus DM](#), [Jurnak F](#), [Lietha R](#), [Hoffer A](#). **Discerning the Mauve Factor, Part 1.** [Altern Ther Health Med](#). 2008 Mar-Apr;14(2):40-50 (2008). 

[McGinnis WR](#), [Audhya T](#), [Walsh WJ](#), [Jackson JA](#), [McLaren-Howard J](#), [Lewis A](#), [Lauda PH](#), [Bibus DM](#), [Jurnak F](#), [Lietha R](#), [Hoffer A](#). **Discerning the Mauve Factor, Part 2.** [Altern Ther Health Med](#). May-Jun;14(3):56-62 (2008). 

Evans TA, Siedlak SL, Lu L, Fu X, Wang Z, McGinnis WR, Fakhoury E, Castellani RJ, Hazen SL, Walsh WJ, Salomon RG, Smith MA, Perry G, Zhu X. **The Autistic Phenotype Exhibits a Remarkably Localized Modification of Brain Protein by Products of Free Radical-Induced Lipid Oxidation.** American Journal of Biochemistry and Biotechnology 4(2):61-72 (2008).

Crayton, J and Walsh, W. **Elevated Serum Copper Levels in Women with a History of Post-Partum Depression,** Journal of Trace Elements in Medicine and Biology, (2007).

US [Patent](#) No. 7,232,575 - **Nutrient Supplements and Methods for Treating Autism and for Preventing the Onset of Autism. Issued June 19, 2007.**

Yao Y, Walsh WJ, McGinnis WR, and Pratico D. **Increased Oxidative Stress Correlates with Platelets an Vascular Activation in Autism,** *Archives of Neurology*, Vol. 63, No. 8, (2006).

Walsh, W. **The Biochemistry of Autism Spectrum Disorders,** Keynote address: Arms Global Autism Conference. Brisbane, Australia (2006).

Walsh, W. **Nutrient Therapy and Improved Mental Functioning,** Master Training Seminar for Physicians, London, England, July 15, 2006.

Walsh, W. **Nutrient Therapy and Improved Human Functioning,** Keynote Address, International Schizophrenia Foundation Annual Symposium, Vancouver, Canada (2006).

Walsh, W. **The Biochemistry of Autism Spectrum Disorders,** ACNEM Annual Symposium, Auckland, New Zealand, February 18, 2006.

Walsh, W. **Oxidative Stress and Autism: A Roadmap for Effective Treatment,** Autism One Annual Conference, Chicago, IL (2005)..

Walsh, W. **Nutrient Therapy for Improved Human Functioning,** International Bio-Concepts Conference, Sydney, Australia, April 2, 2005.

Walsh, W.J., Glab, L.B., and Haakenson, M.L., **Reduced Violent Behavior Following Biochemical Therapy**, *Physiology and Behavior* 82: pp 835-839 (2004).

Walsh, W.J., Usman, A., and Tarpey, J.; **Disordered Metal Metabolism in a Large Autism Population**, Proceedings of the Amer. Psych. Assn.; New Research: Abstract NR109, New Orleans, May, 2001.

Bibus, DM, Holman, RT, and Walsh, WJ. **Fatty Acid Profiles of Schizophrenic Phenotypes**, 91st AOCS Annual Meeting, San Diego, April, 2000.

Walsh, W.J., Isaacson, H.R., Rehman, F, and Hall, A; **Elevated Blood Copper/Zinc Ratios in Assaultive Young Males**, *Physiology and Behavior*, Vol. 62, No. 2, pp 237-329 (1997).

Walsh, W.J. and Rehman, F; **Methylation Syndromes in Mental Illness**, 27th Annual Meeting of the Neuroscience Society, New Orleans, 1997.

Walsh, W.J., Isaacson, H.R., and Glab, L.B.; **Biochemical Treatment of Behavior Disorders**. Proceedings of 149th Annual Meeting of the Amer. Psych. Soc., p. 195, New York (1996).

Blum, K., Walsh, W.J., et.al., **Dopaminergic Genes and Personality Disorders**. 149th Annual Amer. Psych. Assn. Meeting Abstracts: NR524, p. 213, New York (1996).

Walsh, W.J., **Biochemical Profiles of Violent Behavior: Diagnosis and Treatment**, Proc. of Amer. Acad. Envir. Med., p. 9-12, Tuscon, AZ (1966).

Walsh, W.J., Isaacson, H.R., Rahman, F., Hall, A., and Young, I.J. **Elevated blood Cu/Zn ratios in assaultive young males**. Abstracts of Soc. for Neuroscience 24th Annual Meeting, Vol. 20, Part 2, p. 1695, Miami Beach (1994).

Walsh, W.J., **Biochemical Treatment of Behavior, Learning, & Mental Disorders**, Townsend Letter for Doctors, p. 698-702, Aug./Sept. (1992).

Walsh, W.J., **Chemical Classification of Violent Criminals**, Report No. HRI-104-3, 37th Annual Meeting of the Amer. Criminology Assn., San Diego (1985).

Professional Activities and Awards (partial list)

“Doctor of the Year”. International Society for Orthomolecular Medicine. Vancouver, Canada. April 28, 2006.

Director of Beethoven Research Project. Scientific studies of composer Ludvig van Beethoven’s relics that identified severe elevations of toxic lead.

Studies of the relics of the composer Beethoven, and chemical analysis studies of more than 25 serial killers and mass murderers, including Charles Manson, Richard Speck, James Oliver Huberty, Patrick Sherrill, and Arthur Shawcross. Assistance to medical examiners, coroners, Scotland Yard, and the FBI in forensics studies.

National Volunteer of the Year – Louis Putz Award, Notre Dame University, Notre Dame, Indiana (2003).

Safe Harbor Annual Lighthouse Award “for outstanding service in the field of mental illness”.. Los Angeles. 2002.

“Key to the Prison” awarded by residents of Stateville Correctional Center (1983).

“Prison Volunteer of the Year in Metropolitan Chicago”. Awarded by United Way (1981).

Nutrition Consultant for Athletes, including Olympic Champions, NBA players, Major League Baseball Players, Professional Golfers, and a Heavyweight Boxing Champion.